

FIG. 1

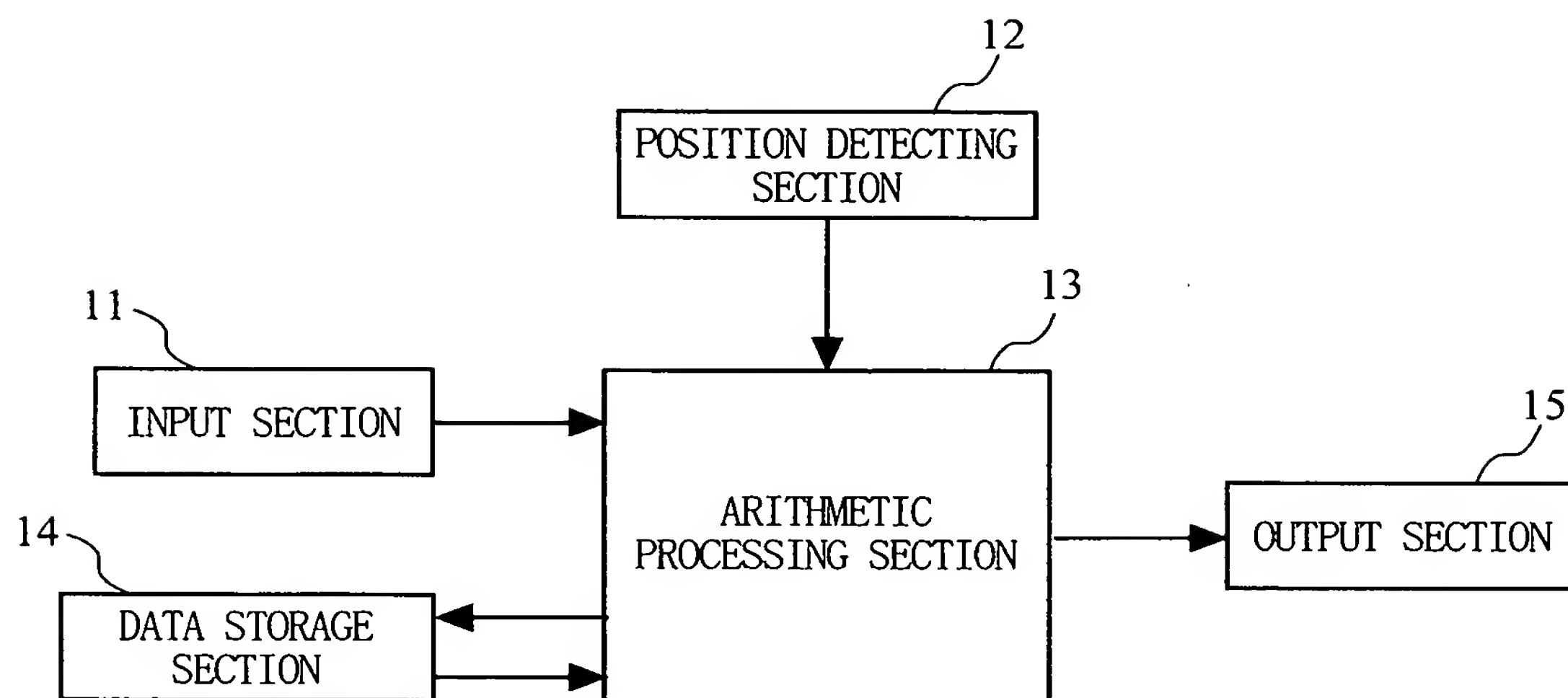


FIG. 2

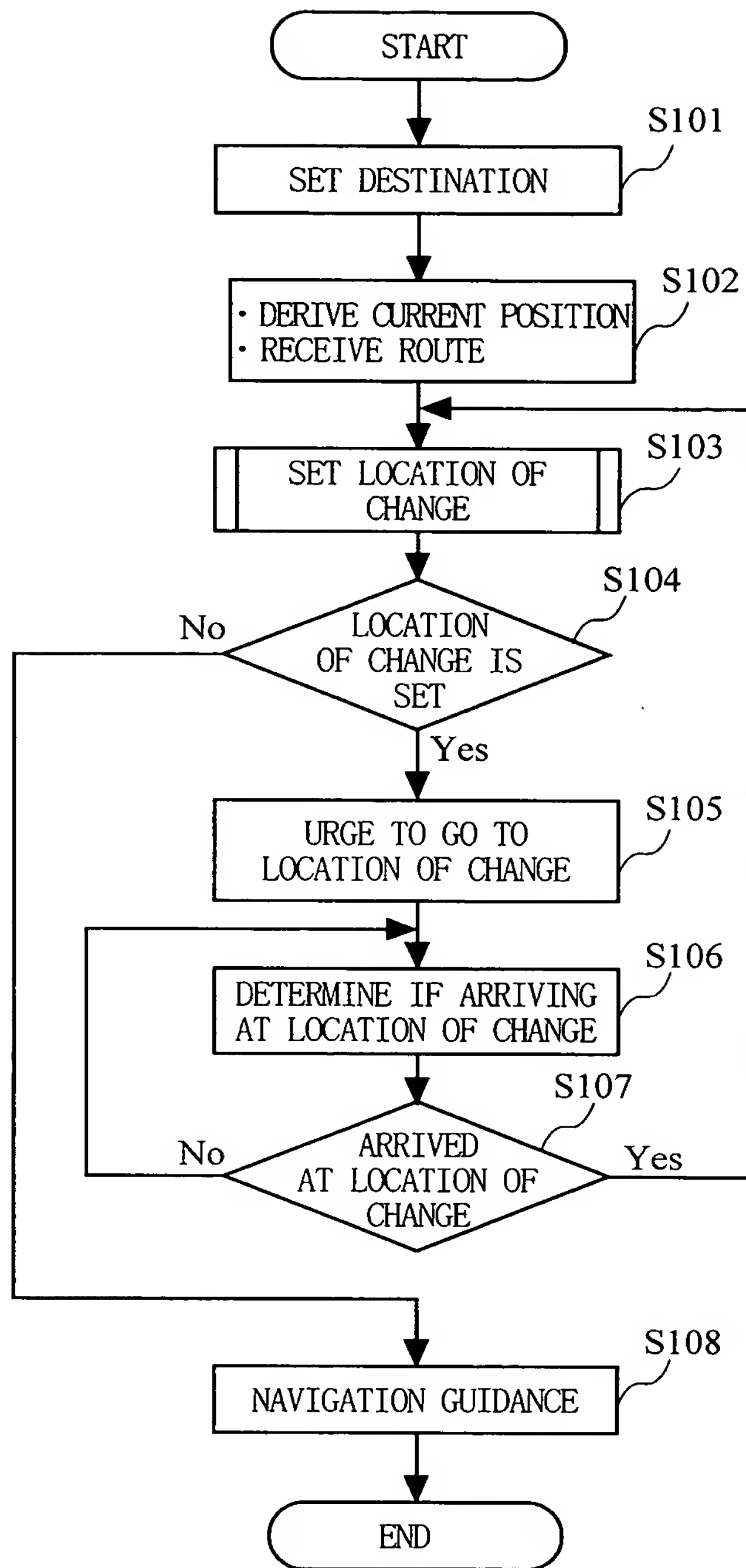


FIG. 3

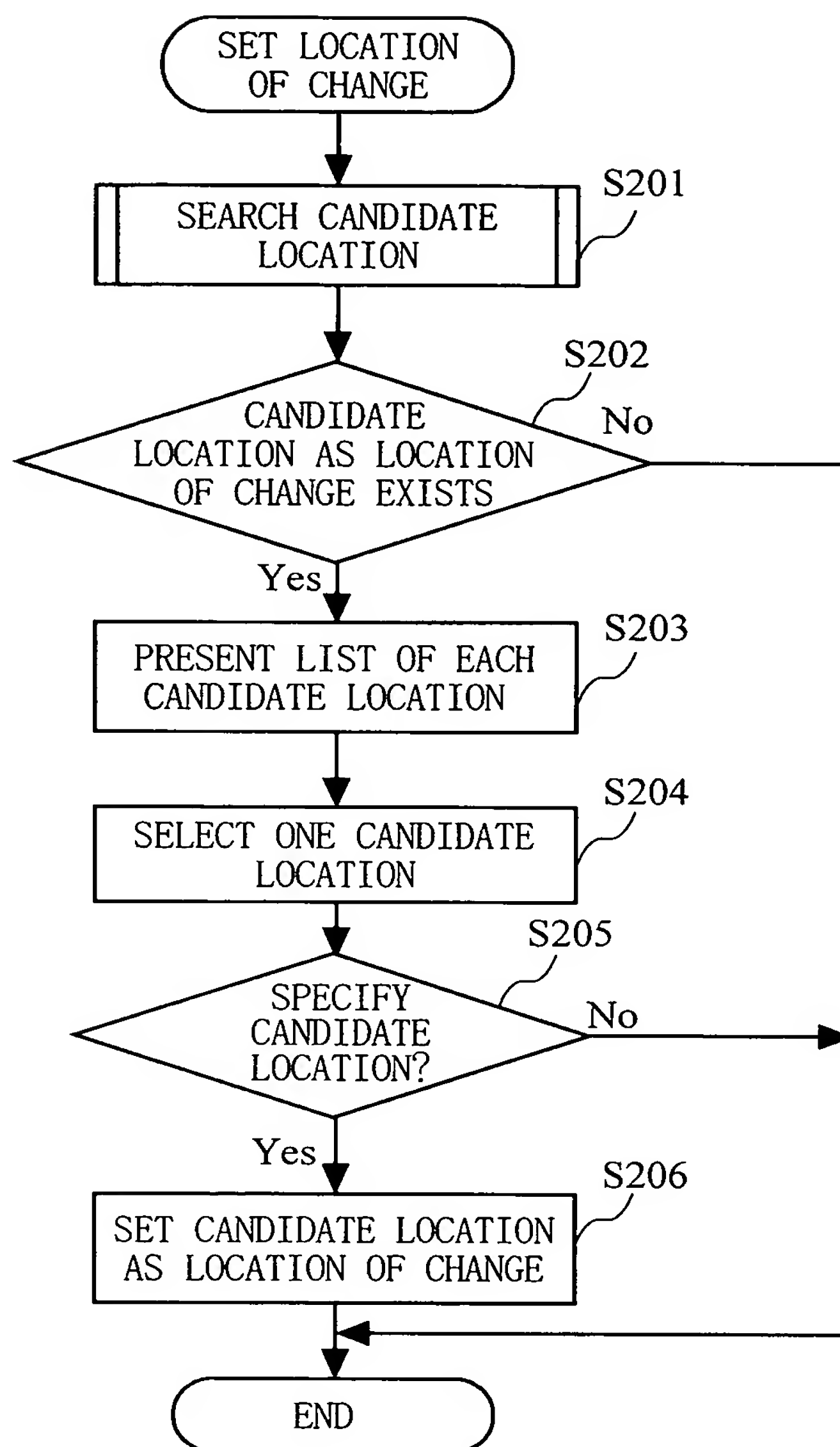


FIG. 4

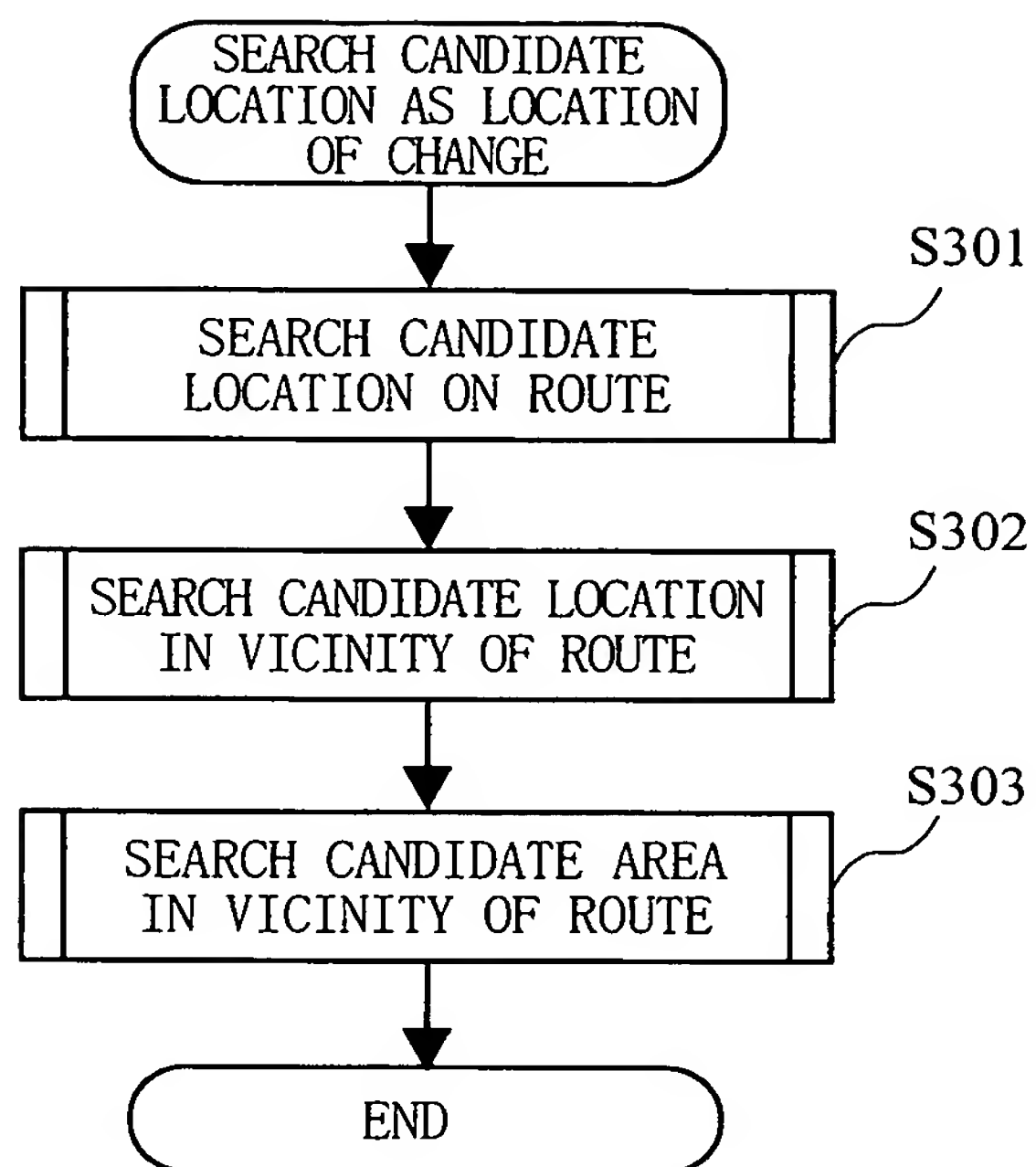


FIG. 5

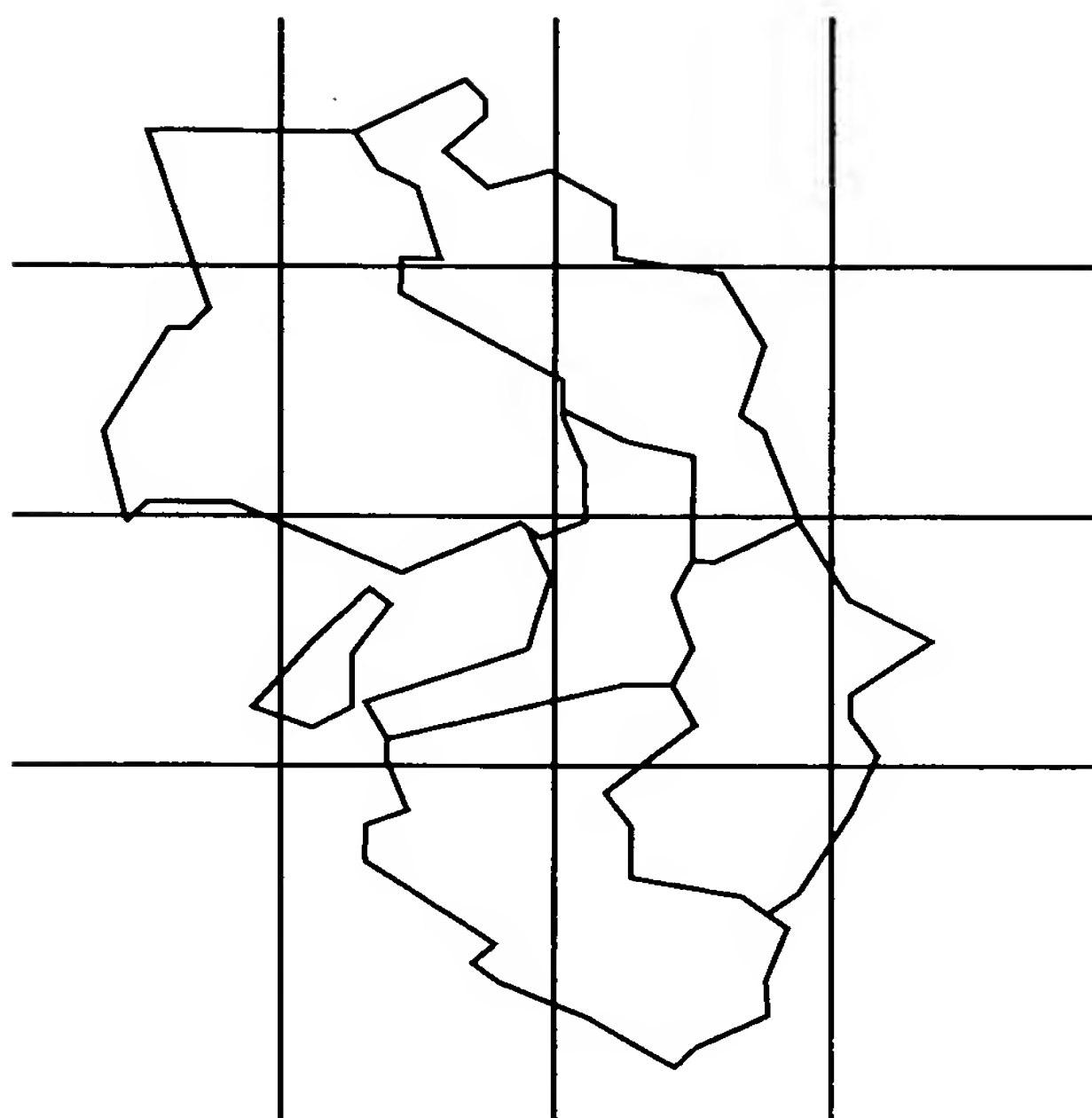


FIG. 6

UNIT DATA
NODE TABLE
LINK TABLE
FACILITY TABLE
AREA TABLE
CANDIDATE LOCATION TABLE
• • •

FIG. 7

NODE TABLE			
NODE NUMBER	COORDINATES	CONNECTING LINK NUMBER	NAME
N1	x1 , y1	L1 , L3 , L5	○○ INTERSECTION
N2	x2 , y2	L1 , L2	△△ INTERSECTION
N3	x3 , y3	L2 , L4 , L8	×× INTERSECTION
N4	x4 , y4	L3 , L6 , L19	▲▲ INTERSECTION
N5	x5 , y5	L6 , L7	□□ HIGHWAY, ○○ INTERCHANGE
⋮	⋮	⋮	⋮

F I G. 8

LINK TABLE				
LINK NUMBER	START END NODE NUMBER	TERMINAL END NODE NUMBER	LINK LENGTH	FACILITY/ AREA NUMBER
L1	N1	N2	100	T1 , T2
L2	N2	N3	125	T3
L3	N1	N4	56	T4
L4	N3	N7	120	—
L5	N1	N6	30	T5 , T6 , E3
⋮	⋮	⋮	⋮	⋮

FIG. 9

FACILITY TABLE			
FACILITY NUMBER	COORDINATES	CATEGORY INFORMATION	NAME
T1	x1 , y1	U1	OO CITY HALL
T2	x2 , y2	U2	OO POST OFFICE
T3	x3 , y3	U3	OO ELEMENTALLY SCHOOL
T4	x4 , y4	U3	△△ ELEMENTALLY SCHOOL
T5	x5 , y5	U3	×× ELEMENTALLY SCHOOL
⋮	⋮	⋮	⋮

FIG. 10

AREA TABLE			
AREA NUMBER	REGION INFORMATION	SIZE INFORMATION	NAME
E1	XY1 , XY2 , XY3 , ... , XY12	V1	○○○
E2	XY13 , XY14 , ... , XY22	V1	×××
E3	XY23 , XY24 , ... , XY28	V2	△△△
⋮	⋮	⋮	⋮

FIG. 11

ROUTE DATA
LINK NUMBER
L3
L6
L7
L107
L109
⋮

• • • • •
• • • • •
• • • • •

F I G. 1 2

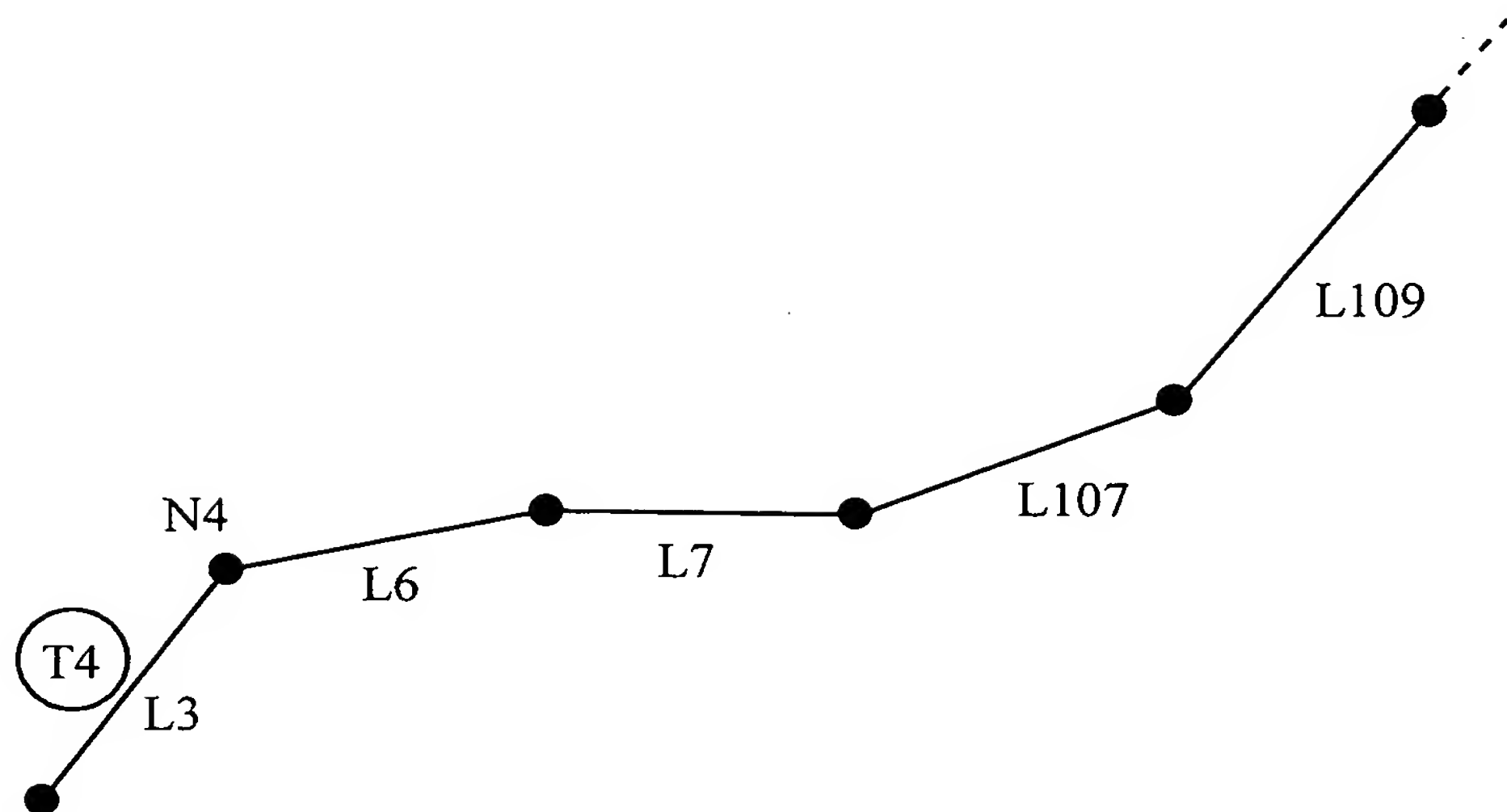


FIG. 13

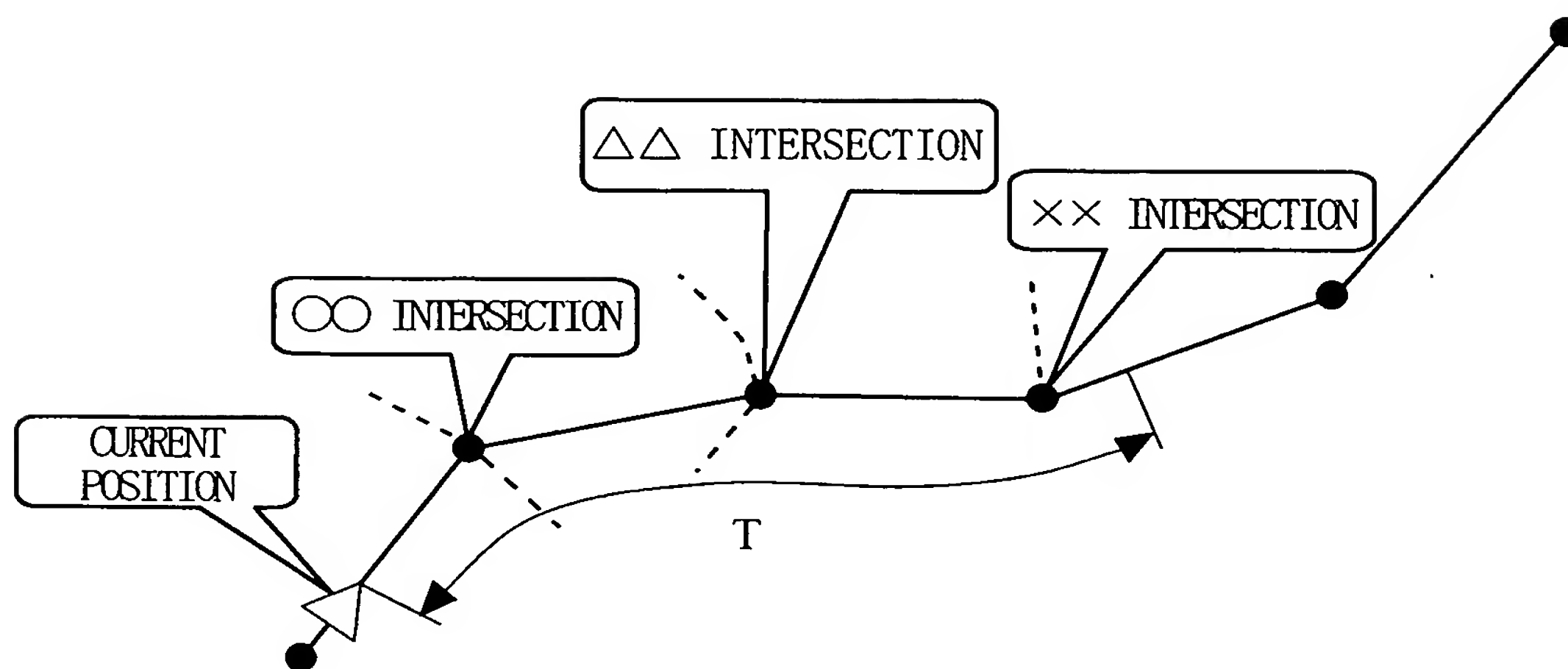


FIG. 14

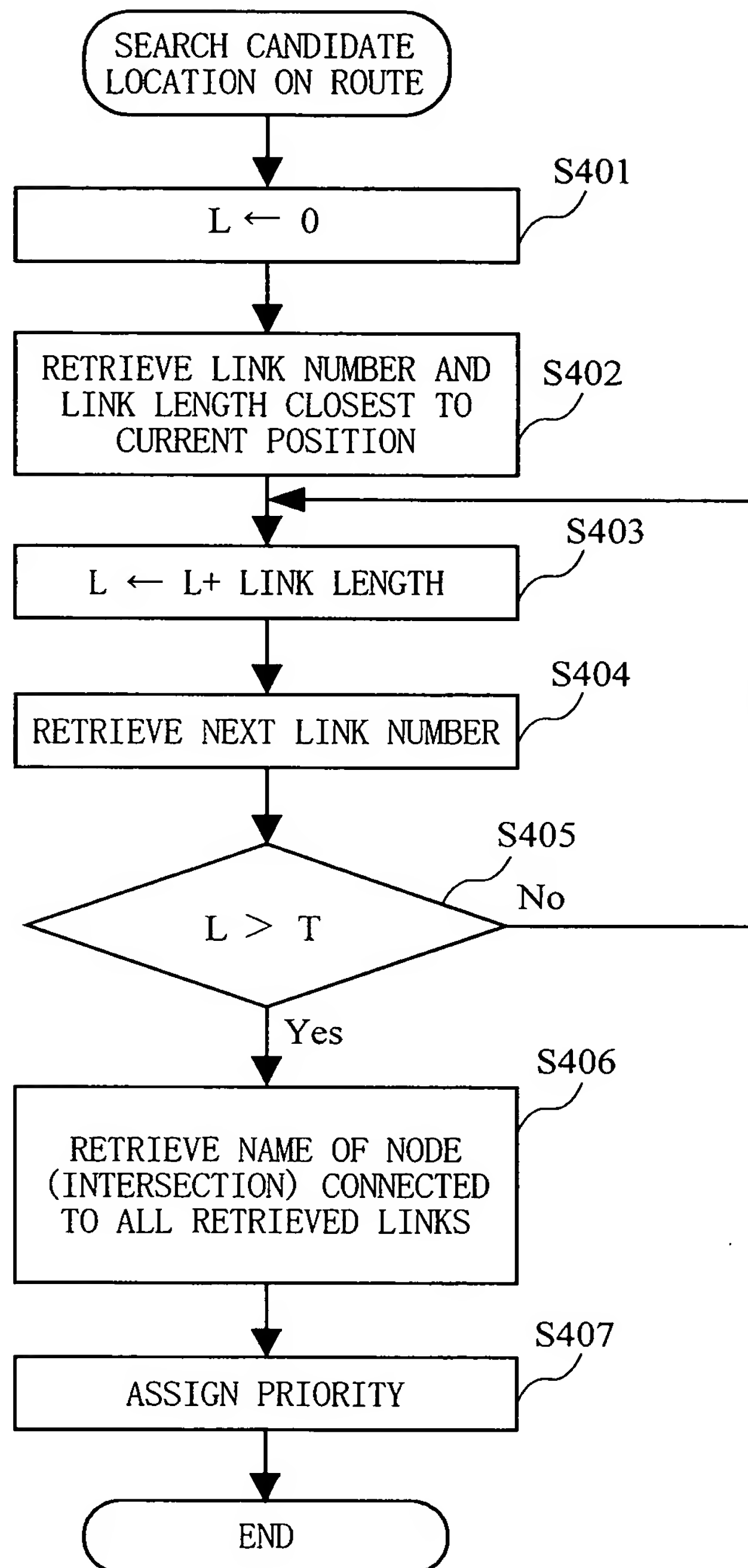


FIG. 15

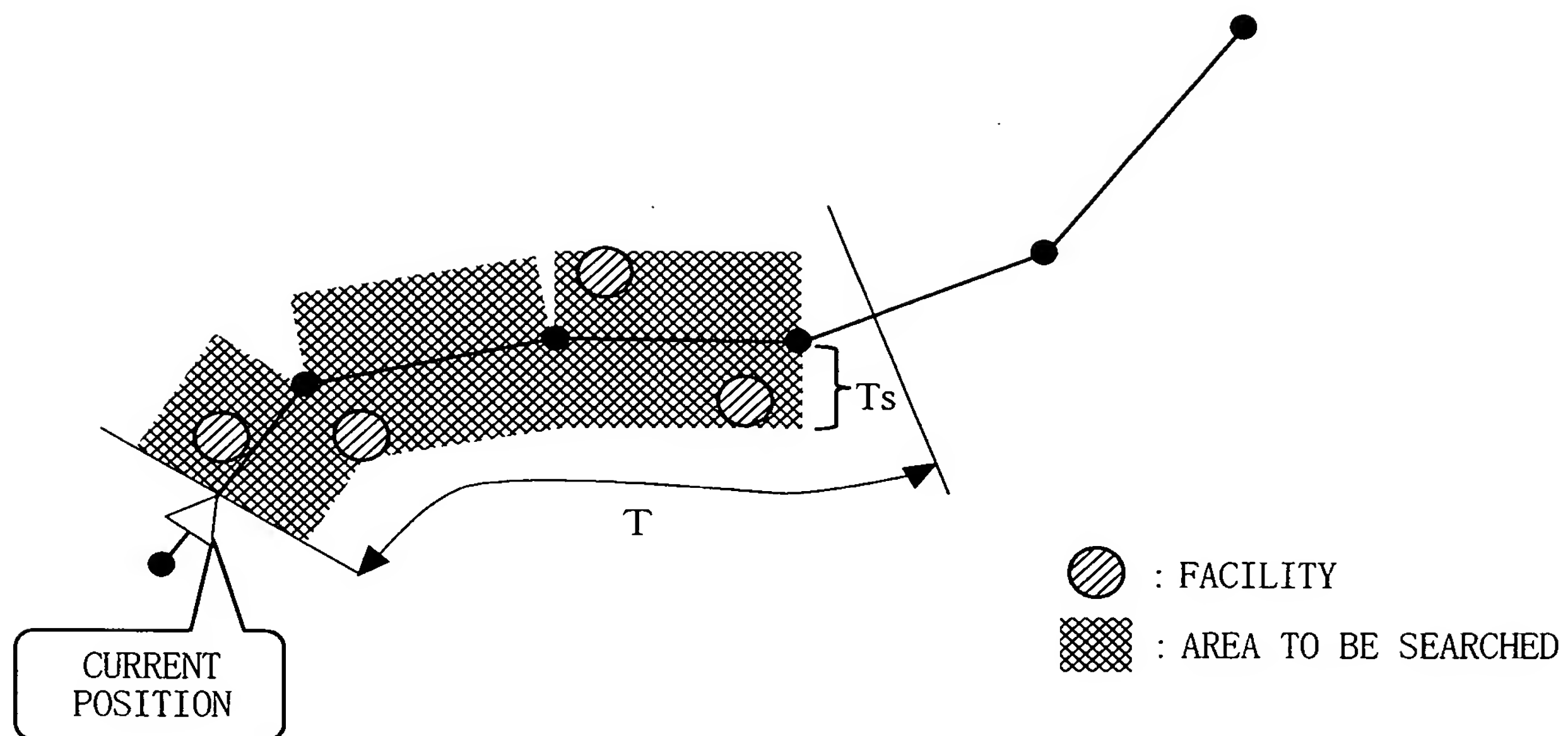


FIG. 16

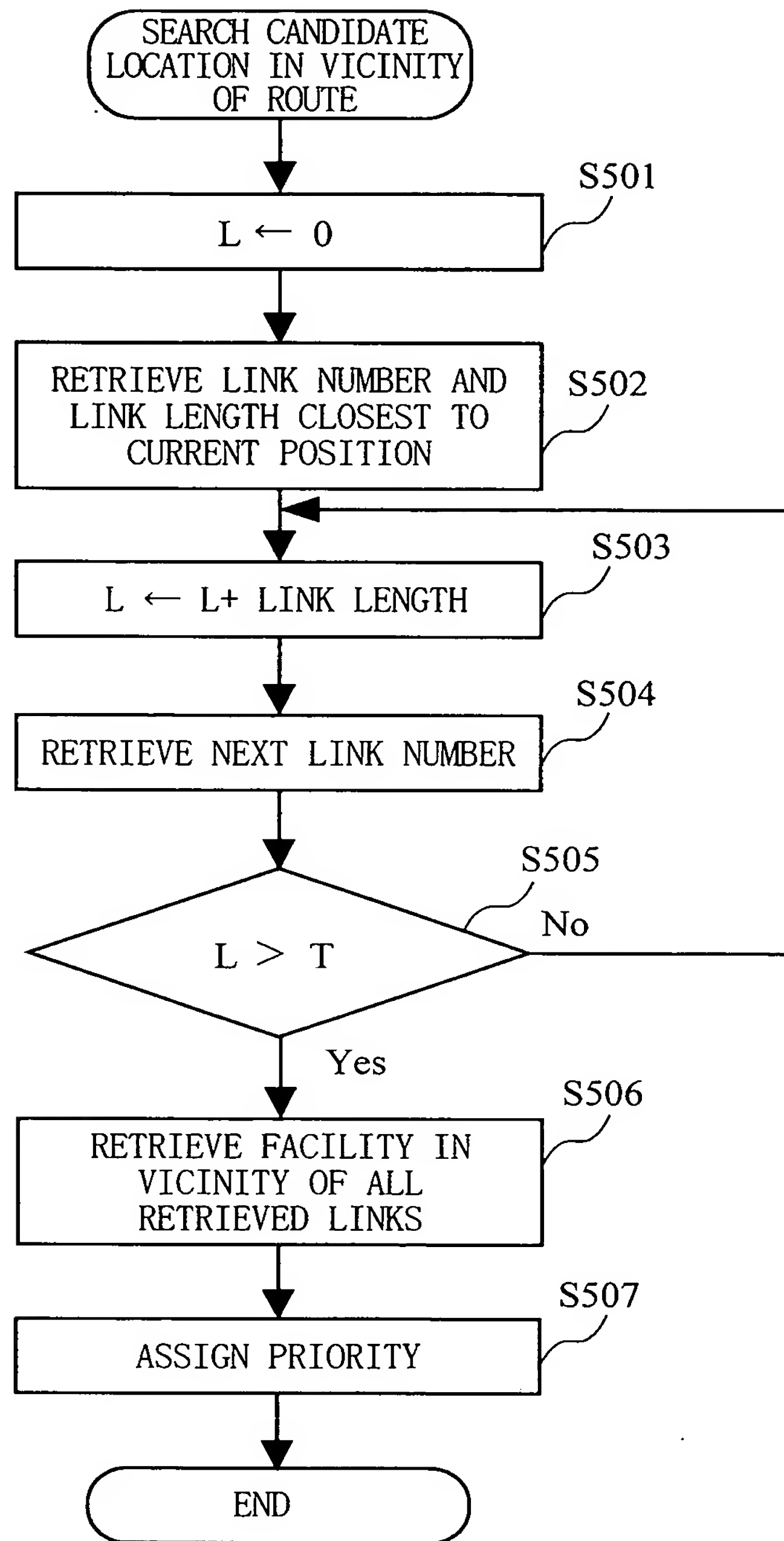


FIG. 17

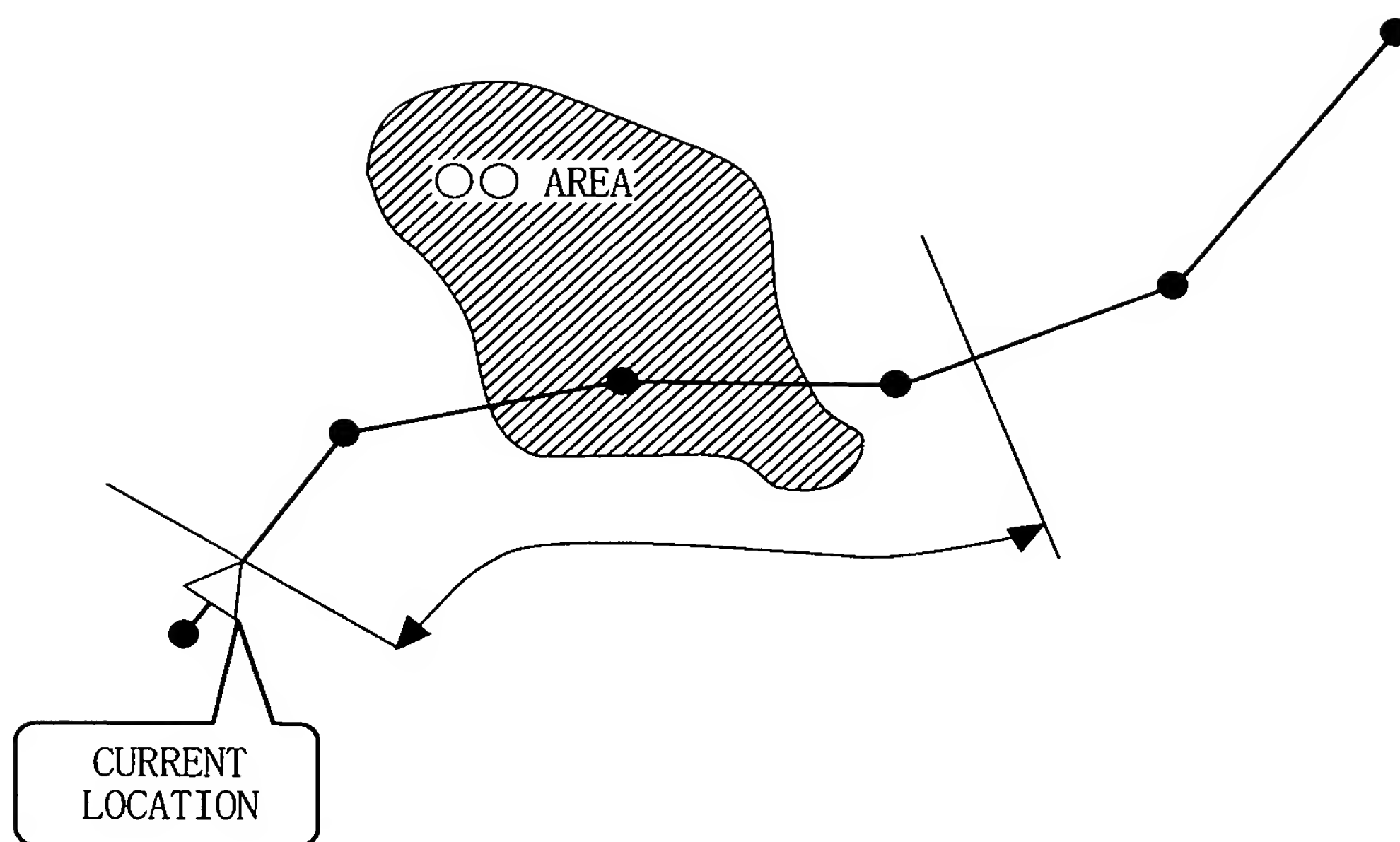


FIG. 18

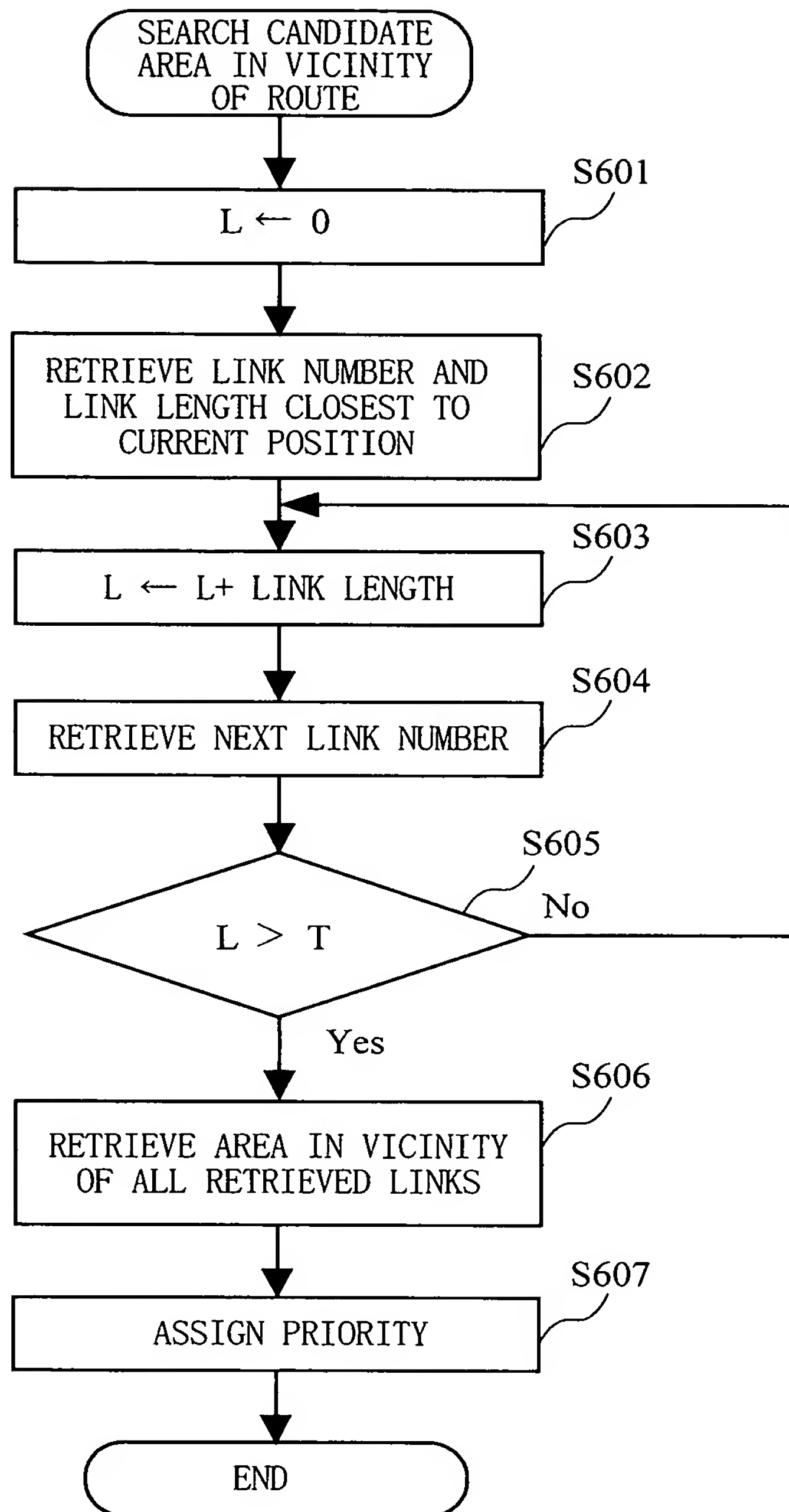


FIG. 19

CANDIDATE LOCATION TABLE
U1 , U2 , U3 , U5 , U9 , V1 , V2 , V4